HCR **Military Health System**
Health Care Reengineering:
Be an Innovator and Create the Future!

Title of Initiative: INTEGRATED CLINICAL DATABASE (ICDB)

Type of Initiative: Local, Regional, and National (Tri-Service)

Implementation Site(s): TRICARE Southwest

Implementation Location(s): San Antonio, TX

Date Submitted: December 2001

DESCRIPTION OF INITIATIVE

The Wilford Hall Medical Center's (WHMC) Integrated Clinical Database (ICDB) has empowered precision patient care delivery to Military Treatment Facility (MTF) beneficiaries. WHMC systems department, inspired by their clinical staff's need for patient care information, recognized the power of integrating the instantaneous update capabilities of Composite Healthcare system (CHCS) HL-7 messaging into architecture that could support integration into emerging Internet technologies. By harnessing real-time clinical data from Lab, Radiology, and Pharmacy modules, they could relationally link these data elements to static and dynamic information sources in existing and future MTF legacy systems. By integrating this new capability into their existing ICDB, a system based on Ambulatory Data Systems (ADS) and CHCS adhoc-based datasources, they could now move to a real-time database schema that could empower creative minds "in the trenches" to an infinite number of MTF-level data-mining activities.

Results of Initiative:

TRICARE Southwest became the executive agent responsible for propagating the utility of the Integrated Clinical Database as an MTF-driven Primary Care Manager By-Name (PCMBN) and Population Health facilitation tool. A pilot program at Walter Reed Army Medical Center (WRAMC) was the first proof of concept for the newly emerging Web Provider Portal. Subsequent local initiative at WRAMC spurred additional development on a state-of-the art clinical outcomes system using ICDB real-time delivered data services. WRAMC demonstrated the power of "grass roots" initiative once provided a standard MTF legacy system-based datastore. The success of this system has spurred innovation at many other ICDB locations. Other ICDB web development is now occurring at WHMC, Travis AFB, Eglin AFB, Aviano AB, and Madigan AMC in areas such as nursing, group practice management, prevention,

pediatrics, cardiology, and other local MTF functional audiences. Future deployment is also scheduled for Luke AFB, Kadena AFB, and Ft. Carson AMC/USAF Academy. ICDB is also being considered for MHS deployment and is currently in preparation for Defense Information Technology Security Certification and Accreditation Process (DITSCAP) and Air Force Certificate of Networthiness (CoN).

POINT OF CONTACT (POC) INFORMATION

Primary POC: Major Steven Menzies

Job Title: Chief Information Officer

Telephone: (210) 292-3227

Fax: (210) 292 -3222

E-mail Address: steven.menzies@tricaresw.af.mil

HCR PROGRAM CONTACT INFORMATION

➤**Web:** *www.tricare.osd.mil/hcr/*
➤**E-mail:** mhshcr@tma.osd.mil
➤**Telephone:** 703/681-0084
➤**Fax:** 703/681-7668
➤**DSN Prefix:** 761

➤**Mail:**
TRICARE Management Activity
MHS, HCR
ATTN: Innovations & Initiatives
5111 Leesburg Pike, Suite 810
Falls Church, VA 22041-3206